

example Digital Subscriber Line (DSL) or Data Over Cable Service Interface Specification (DOCSIS)), wireless (such as for example Wi-Fi or Worldwide Interoperability for Microwave Access (WiMAX)), or optical (such as for example Synchronous Optical Network (SONET) or Synchronous Digital Hierarchy (SDH)) links. In particular embodiments, one or more links each include an ad hoc network, an intranet, an extranet, a VPN, a LAN, a WLAN, a WAN, a WWAN, a MAN, a portion of the Internet, a portion of the PSTN, a cellular technology-based network, a satellite communications technology-based network, another link, or a combination of two or more such links. Links need not necessarily be the same throughout network environment **1200**. One or more first links may differ in one or more respects from one or more second links.

[0265] In particular embodiments, client system **1206** may be an electronic device including hardware, software, or embedded logic components or a combination of two or more such components and capable of carrying out the appropriate functionalities implemented or supported by client system **1206**. As an example and not by way of limitation, a client system **1206** may include any of the client devices or systems described in the above figures. A client system **1206** may enable a network user at client system **1206** to access network **1204**. A client system **1206** may enable its user to communicate with other users at other client systems **1206**.

[0266] In particular embodiments, client system **1206** may include a web browser, such as MICROSOFT INTERNET EXPLORER, GOOGLE CHROME, or MOZILLA FIREFOX, and may have one or more add-ons, plug-ins, or other extensions, such as TOOLBAR or YAHOO TOOLBAR. A user at client system **1206** may enter a Uniform Resource Locator (URL) or other address directing the web browser to a particular server (such as server, or a server associated with a third-party system **1208**), and the web browser may generate a Hyper Text Transfer Protocol (HTTP) request and communicate the HTTP request to server. The server may accept the HTTP request and communicate to client system **1206** one or more Hyper Text Markup Language (HTML) files responsive to the HTTP request. Client system **1206** may render a webpage based on the HTML files from the server for presentation to the user. This disclosure contemplates any suitable webpage files. As an example and not by way of limitation, webpages may render from HTML files, Extensible Hyper Text Markup Language (XHTML) files, or Extensible Markup Language (XML) files, according to particular needs. Such pages may also execute scripts such as, for example and without limitation, those written in JAVASCRIPT, JAVA, MICROSOFT SILVERLIGHT, combinations of markup language and scripts such as AJAX (Asynchronous JAVASCRIPT and XML), and the like. Herein, reference to a webpage encompasses one or more corresponding webpage files (which a browser may use to render the webpage) and vice versa, where appropriate.

[0267] In particular embodiments, social networking system **1202** may be a network-addressable computing system that can host an online social network. Social networking system **1202** may generate, store, receive, and send social-networking data, such as, for example, user-profile data, concept-profile data, social-graph information, or other suitable data related to the online social network. Social networking system **1202** may be accessed by the other components of network environment **1200** either directly or via

network **1204**. In particular embodiments, social networking system **1202** may include one or more servers. Each server may be a unitary server or a distributed server spanning multiple computers or multiple datacenters. Servers may be of various types, such as, for example and without limitation, web server, news server, mail server, message server, advertising server, file server, application server, exchange server, database server, proxy server, another server suitable for performing functions or processes described herein, or any combination thereof. In particular embodiments, each server may include hardware, software, or embedded logic components or a combination of two or more such components for carrying out the appropriate functionalities implemented or supported by server. In particular embodiments, social networking system **1202** may include one or more data stores. Data stores may be used to store various types of information. In particular embodiments, the information stored in data stores may be organized according to specific data structures. In particular embodiments, each data store may be a relational, columnar, correlation, or other suitable database. Although this disclosure describes or illustrates particular types of databases, this disclosure contemplates any suitable types of databases. Particular embodiments may provide interfaces that enable a client system **1206**, a social networking system **1202**, or a third-party system **1208** to manage, retrieve, modify, add, or delete, the information stored in data store.

[0268] In particular embodiments, social networking system **1202** may store one or more social graphs in one or more data stores. In particular embodiments, a social graph may include multiple nodes—which may include multiple user nodes (each corresponding to a particular user) or multiple concept nodes (each corresponding to a particular concept)—and multiple edges connecting the nodes. Social networking system **1202** may provide users of the online social network the ability to communicate and interact with other users. In particular embodiments, users may join the online social network via social networking system **1202** and then add connections (e.g., relationships) to a number of other users of social networking system **1202** whom they want to be connected to. Herein, the term “friend” may refer to any other user of social networking system **1202** with whom a user has formed a connection, association, or relationship via social networking system **1202**.

[0269] In particular embodiments, social networking system **1202** may provide users with the ability to take actions on various types of items or objects, supported by social networking system **1202**. As an example and not by way of limitation, the items and objects may include groups or social networks to which users of social networking system **1202** may belong, events or calendar entries in which a user might be interested, computer-based applications that a user may use, transactions that allow users to buy or sell items via the service, interactions with advertisements that a user may perform, or other suitable items or objects. A user may interact with anything that is capable of being represented in social networking system **1202** or by an external system of third-party system **1208**, which is separate from social networking system **1202** and coupled to social networking system **1202** via a network **1204**.

[0270] In particular embodiments, social networking system **1202** may be capable of linking a variety of entities. As an example and not by way of limitation, social networking system **1202** may enable users to interact with each other as